

Title (en)
THERMAL SHIELD STONE FOR COVERING THE WALL OF A COMBUSTION CHAMBER, COMBUSTION CHAMBER AND A GAS TURBINE

Title (de)
HITZESCHILDSTEIN ZUR AUSKLEIDUNG EINER BRENNKAMMERWAND, BRENNKAMMER SOWIE GASTURBINE

Title (fr)
PIERRE DE PROTECTION THERMIQUE POUR GARNIR UNE PAROI DE CHAMBRE DE COMBUSTION, CHAMBRE DE COMBUSTION ET TURBINE A GAZ

Publication
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Application
EP 01982399 A 20011004

Priority

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- EP 0111471 W 20011004
- EP 00122553 A 20001016

Abstract (en)
[origin: EP1199520A1] Thermal shield comprises a hot side subjected to a hot medium and a wall side lying opposite the hot side; a hot side region bordering the hot side; and a wall side region bordering the wall side. The grain size in the wall side region is less than in the hot side region. Preferred Features: The grain size in the wall side region is 0.4-0.9, especially 0.6-0.8 less than in the hot side region. The grain size in the hot side region is 1.5-3.5, especially more than 2 mm. The shield is made from aluminum oxide and aluminum silicate, in which the concentration of the aluminum oxide is greater in the wall side region than in the hot side region.

IPC 8 full level
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CPC (source: EP US)
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